



Indiana State  
Department of Health  
*An Equal Opportunity Employer*

Mitchell E. Daniels, Jr.  
Governor

Gregory N. Larkin, M.D., F.A.A.F.P.  
State Health Commissioner

**CERTIFIED MAIL NO. 7000 0520 0013 3385 6492**  
**RETURN RECEIPT REQUESTED**

May 11, 2011

Dale Piechocki  
Underwriters Laboratories, Inc.  
110 South Hill Street  
South Bend, Indiana 46617-2702

Dear Mr. Piechocki:

I have reviewed Underwriters Laboratories' standard operating procedure for EPA method 531.2, revision 1.0 (Measurement of N-Methylcarbamoyloximes and N-Methylcarbamates in Water by Direct Injection HPLC with Post Column Derivatization) and the data generated for the initial demonstration of capability, the method detection limit determinations and proficiency testing sample results.

Compliance monitoring data generated using this method by the laboratory is acceptable for complying with the National Primary Drinking Water Regulations (NPDWR) as implemented by 40 CFR Part 141 and 142 and the Indiana Primary Drinking Water Regulations (IPDWR) as implemented by 327 IAC 8-1 and 8-2.

Underwriters Laboratories, Inc. (LAB NO. C-71-01) is hereby granted full certification for: *antimony, arsenic, barium, beryllium, cadmium, chromium, cyanide, fluoride, mercury, nickel, selenium, thallium, copper, lead, nitrate, nitrite, the regulated volatile organic compounds (VOC), vinyl chloride, trihalomethanes (THM), bromate, chlorite, haloacetic acids (HAA5), 2,4-D, 2,4,5-TP, alachlor, atrazine, benzo(a)pyrene, carbofuran, chlordane, dalapon, 1,2-dibromo-3-chloropropane (DBCP), di(2-ethylhexyl)adipate, di(2-ethylhexyl)phthalate, dinoseb, diquat, ethylene dibromide (EDB), endoathal, endrin, glyphosate, heptachlor, heptachlor epoxide, hexachlorobenzene, hexachlorocyclopentadiene, lindane, methoxychlor, oxamyl, pentachlorophenol, picloram, simazine, toxaphene and 2,3,7,8-TCDD (dioxin)*. See the accompanying scope of certification for the methods certified.

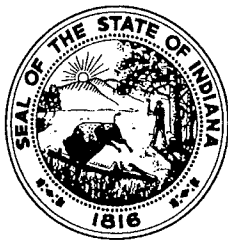
This administrative certification is valid until October 28, 2012.

If you have further questions, please contact me.

Sincerely,

Philip R. Zillinger  
Chemistry Laboratory Certification Officer  
Indiana State Department of Health  
550 West 16th Street, Suite B  
Indianapolis, Indiana 46202  
317-921-5571  
[pzilling@isdh.in.gov](mailto:pzilling@isdh.in.gov)

Enclosure



# Indiana State Department of Health

SCOPE OF CERTIFICATION  
UNDERWRITERS LABORATORIES  
SOUTH BEND, INDIANA

ANALYTE	METHOD	ANALYTE	METHOD
<u>METALS</u>		<u>PCB</u>	
Antimony	EPA 200.8R5.4	as decachlorobiphenyl	Not certified
Arsenic	EPA 200.8R5.4		
Barium	EPA 200.8R5.4	<u>VOC</u>	
Beryllium	EPA 200.8R5.4	20 regulated VOC	EPA 524.2R4.1
Cadmium	EPA 200.8R5.4	Vinyl chloride	EPA 524.2R4.1
Chromium	EPA 200.8R5.4	DBCP	EPA 504.1R1.1
Copper	EPA 200.8R5.4	EDB	EPA 504.1R1.1
Lead	EPA 200.8R5.4		
Mercury	EPA 245.1R3.0	<u>TTHM</u>	
Nickel	EPA 200.8R5.4	4 THM	EPA 524.2R4.1; EPA 551.1R1.0
Selenium	EPA 200.8R5.4		
Thallium	EPA 200.8R5.4	<u>PAH</u>	
		Benzo(a)pyrene	EPA 525.2R2.0
<u>NONMETALS</u>			
Nitrate	EPA 300.0R2.1; EPA 353.2R2.0	<u>ADIPATE/PHTHALATE</u>	
Nitrite	EPA 353.2R2.0	Di(2-ethylhexyl)adipate	EPA 525.2R2.0
Fluoride	EPA 300.0R2.1; SM 20 <sup>th</sup> , 4500-F C: Technicon 380-75WE, R07-11-77	Di(2-ethylhexyl)phthalate	EPA 525.2R2.0
Cyanide	EPA 335.4R1.0; Lachat Quick Chem 10-204-00-1-X		



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ANALYTE	METHOD	ANALYTE	METHOD
<u>PESTICIDES</u>		<u>CARBAMATES</u>	
Alachlor	EPA 525.2R2.0	Carbofuran	EPA 531.1R3.1; EPA 531.2R1.0
Atrazine	EPA 525.2R2.0	Oxamyl	EPA 531.1R3.1; EPA 531.2R1.0
Chlordane	EPA 505R2.1		
Endrin	EPA 525.2R2.0	<u>HERBICIDES</u>	
Heptachlor	EPA 525.2R2.0	2,4-D	EPA 515.3R1.0
Heptachlor epoxide	EPA 525.2R2.0	2,4,5-TP	EPA 515.3R1.0
Hexachlorobenzene	EPA 525.2R2.0	Dalapon	EPA 515.3R1.0
Hexachlorocyclopentadiene	EPA 525.2R2.0	Dinoseb	EPA 515.3R1.0
Lindane	EPA 525.2R2.0	Diquat	EPA 549.2R1.0
Methoxychlor	EPA 525.2R2.0	Endothall	EPA 548.1R1.0
Simazine	EPA 525.2R2.0	Glyphosate	EPA 547R1.0
Toxaphene	EPA 505R2.1	Pentachlorophenol	EPA 515.3R1.0
		Picloram	EPA 515.3R1.0
<u>DISINFECTION BYPRODUCTS</u>			
HAA5	EPA 552.2R1.0	<u>MISCELLANEOUS ANALYTES</u>	
Bromate	EPA 300.1R1.0: EPA 317.0R2.0	2,3,7,8-TCDD (dioxin)	EPA 1613B, Oct 1994
Chlorite	EPA 300.0R2.1	Asbestos	Not certified